



PTO-144

Information Disclosure Citation
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10/041,018Docket Number
002376.0992Applicant(s)
Seiichi P.T. Matsuda, et al.Group Art Unit
1652Filing Date
1-07-2002

U.S. PATENT DOCUMENTS

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
<input checked="" type="checkbox"/>	A.	4849410	07-18-1989	R. Jacobs, et al.	514	33	08-14-1987
<input type="checkbox"/>	B.	5151352	09-29-1992	H. Nakano, et al.	435	123	09-30-1991
<input type="checkbox"/>	C.	5189187	02-23-1993	H. Nakano, et al.	549	548	06-24-1992
<input type="checkbox"/>	D.	5589581	12-31-1996	N. Misawa, et al.	536	23.2	03-10-1994
<input type="checkbox"/>	E.	5602184	02-11-1997	C. Myers, et al.	514	739	03-03-1993
<input type="checkbox"/>	F.	5637484	06-10-1997	Y. Yukimune, et al.	435	123	11-09-1994
<input type="checkbox"/>	G.	5429939	07-04-1995	N. Misawa, et al.	435	67	10-23-1991
<input type="checkbox"/>	H.	5473057	12-05-1995	W. Fenical, et al.	536	17.3	11-09-1994
<input checked="" type="checkbox"/>	I.	5968789	10-19-1999	Y. Yukimune, et al.	435	123	02-28-1997
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		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
<input checked="" type="checkbox"/>	L.	Albrecht, M., et al., <i>Synthesis of atypical cyclic and acyclic hydroxy carotenoids in Escherichia coli transformants</i> , Journal of Biotechnology 58 (1997) 177-185.	09-22-1997
<input type="checkbox"/>	M.	Bailey, James E., <i>Toward a Science of Metabolic Engineering</i> , Science, New Series, Volume 252, Issue 5013, 1668-1675.	06-21-1991
<input type="checkbox"/>	N.	Basson, Michael E., et al., <i>Identifying Mutations in Duplicated Functions in Saccharomyces cerevisiae: Recessive Mutations in HMG-CoA Reductase Genes</i> , Genetics, 117, 645-655.	12-1987
<input type="checkbox"/>	O.	Basson, Michael E, <i>Saccharomyces cerevisiae</i> contains two functional genes encoding 3-hydroxy-3-methylglutaryl-coenzyme A reductase, Proc. Natl. Acad. Sci. USA 83: 5563-57.	1986
<input type="checkbox"/>	P.	Corey, E.J., et al., <i>Isolation of an Arabidopsis thaliana gene encoding cycloartenol synthase by functional expression in a yeast mutant lacking lanosterol synthase by the use of a chromatographic screen</i> , Proc. Natl. Acad. Sci USA Vol. 90, pp. 11628-11632.	12-1993
<input type="checkbox"/>	Q.	Crowley, James H., et al., <i>A Mutation in a Purported Regulatory Gene Affects Control of Sterol Uptake in Saccharomyces cerevisiae</i> , Journal of Bacteriology, Vol 180, No. 16, p. 4177-4183.	08-1998
<input type="checkbox"/>	R.	Funk, Christoph, et al., <i>Diterpenoid Resin Acid Biosynthesis in Conifers: Characterization of Two Cytochrome P450-Dependent Monooxygenases and an Aldehyde Dehydrogenase Involved in Abietic Acid Biosynthesis</i> , Archives of Biochemistry and Biophysics, Vol. 308, No. 1, pp. 258-266.	01-1994
<input type="checkbox"/>	S.	Hara, Mitsunobu, et al., <i>Leinamycin, A New Antitumor Antibiotic From Streptomyces, Producing Organism, Fermentation and Isolation</i> , The Journal of Antibiotics, pp. 1768-1774.	12-1989
<input type="checkbox"/>	T.	Hezari, Mehri, et al., <i>Purification and Characterization of Taxa-4(5), 11(12)-diene Synthase from Pacific Yew (Taxus brevifolia) that Catalyzes the First Committed Step of Taxol Biosynthesis</i> , Archives of Biochemistry and Biophysics, Vol. 322, No. 2, pp. 437-444.	10-01-1995
<input checked="" type="checkbox"/>	U.	Jiang, Yu, et al., <i>BTS1 Encodes a Geranylgeranyl Diphosphate Synthase in Saccharomyces cerevisiae</i> , The Journal of Biological Chemistry, Vol. 270, No. 37, pp. 21793-21799.	09-15-1995

EXAMINER

DATE CONSIDERED

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PTO-1449		Application No. 10/041,018		Applicant(s) Selichi P.T. Matsuda, et al.		
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	C.	Kajiwar, Susumu, et al., <i>Expression of an exogenous isopentenyl diphosphate isomerase gene enhances isoprenoid biosynthesis in Escherichia coli</i> , Biochem J., 324(Pt 2): 421-6.				06-01-1997
	D.	Kholodenko, Boris N., et al., <i>Metabolic Design: How to Engineer a Living Cell to Desired Metabolite Concentrations and Fluxes</i> , Biotechnol Bioeng, 59(2):239-247.				07-20-1998
	E.	LaFever, Roy E., et al., <i>Diterpenoid Resin Acid Biosynthesis in Conifers: Enzymatic Cyclization of Geranylgeranyl Pyrophosphate to Abietadiene, the Precursor of Abietic Acid</i> , Archives of Biochemistry and Biophysics, Vol. 313. No. 1, pp. 139-149, 1994.				08-15-1994
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	H.	Lewis, T.L., et al., <i>Pleiotropic Mutations in Saccharomyces cerevisiae Affecting Sterol Uptake and Metabolism</i> , Yeast 4(2):93-106.				1988
	I.	Liu, Shuang-Jiang, et al., <i>A Novel Genetically Engineered Pathway for Synthesis of Poly (Hydroxyalkanoic Acids) in Escherichia Coli</i> , Applied and Environmental Microbiology, Vol. 66. No. 2, p. 739-743.				02-2000
	J.	Misawa, Norihiko, et al., <i>Production of B-Carotene in Zymomonas mobilis and Agrobacterium tumefaciens by Introduction of the Biosynthesis Genes from Erwinia uredovora</i> , Applied and Environmental Microbiology, Vol. 57, No. 6, p. 1847-1849.				06-1991
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	M.	Miura, Yutaka, et al., <i>Production of Lycopene by the Food Yeast, Candida utilis That Does Not Naturally Synthesize Carotenoid</i> , Biotechnol Bioeng., 58(2-3): 306-8.				04-20-1998
	N.	Miura, Yutaka, et al., <i>Production of the Carotenoids Lycopene, B-Carotene, and Astaxanthin in the Food Yeast Candida utilis</i> , Applied and Environmental Microbiology, Vol. 64, No. 4, p. 1226-1229.				04-1998
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	P.	Parks, Leo W., et al., <i>Physiological Implications of Sterol Biosynthesis in Yeast</i> , Annu. Rev. Microbiol. 49:95-116.				1995
	Q.	Parks, Leo W., et al., <i>Biochemical and Physiological Effects of Sterol Alterations in Yeast-A Review</i> , Lipids Vol. 30 No. 3:227-230.				1995
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	S.	Polakowski, T., et al., <i>Overexpression of a cytosolic hydroxymethylglutaryl-CoA reductase leads to squalene accumulation in yeast</i> , Appl Microbiol Biotechnol, 49:66-71.				1998
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	C.	Stephanopoulos, G., <i>Bioinformatics and Metabolic Engineering</i> , Metabolic Engineering 2(3): 157-158.				2000
	D.	Stofer Vogel, Brigitte, et al., <i>Abietadiene Synthase from Grand Fir (Abies grandis) cDNA Isolation, Characterization and Bacterial Expression of a Bifunctional Diterpene Cyclase Involved in Resin Acid Biosynthesis</i> , J Biological Chemistry, Vol. 271, No. 38: 23262-23268.				09-20-1996
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	H.	Yamano, Shigeyuki, et al., <i>Metabolic Engineering for Production of B-Carotene and Lycopene in Saccharomyces cerevisiae</i> , Biosci. Biotech. Biochem., 58(6): 1112-1114.				1994
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